

1           1. A computer network comprising:  
2           one or more service computers configured to provide  
3 multiple network services via the network,  
4           one or more connection devices that allow multiple  
5 network client computers to access the services via the  
6 network, and  
7           a single routing computer that serves as a firewall  
8 through which all traffic between the network services and  
9 the network client computers must pass.

1           2. The computer network of claim 1, wherein the  
2 routing computer includes a static route table containing  
3 predefined rules that govern the flow of traffic between the  
4 network services and the network client computers.

1           3. The computer network of claim 1, further  
2 comprising at least one other routing computer that acts as  
3 a firewall through which all traffic between the computer  
4 network and the network client computers must pass.

1           4. The computer network of claim 3, wherein the  
2 other routing computer includes a static route table  
3 containing predefined rules that govern the flow of traffic  
4 between the computer network and the network client  
5 computers.

1           5. The computer network of claim 1, wherein the  
2 connection device is configured to allow access via a public  
3 frame relay.

1           6. The computer network of claim 1, wherein the  
2 connection device is configured to allow access via a PPP  
3 link.

1           7. The computer network of claim 1, wherein the  
2 connection device is configured to allow access via an ISDN  
3 link.

1           8. The computer network of claim 1, wherein the  
2 connection device is configured to allow access via the  
3 Internet.

1           9. The computer network of claim 8, further  
2 comprising another routing computer that acts as a firewall  
3 through which all traffic between the network services and  
4 the Internet must pass.

1           10. A method for use in providing network services  
2 via a computer network to multiple network client computers,  
3 the method comprising:

4           allowing the network client computers to access the  
5 services via one or more connection devices in the network,  
6 and

7           requiring all traffic between the network services  
8 and the network client computers to pass through a single  
9 routing computer that acts as a firewall.

1           11. The method of claim 10, wherein the routing  
2 computer includes a static route table containing predefined  
3 rules that govern the flow of traffic between the network  
4 services and the network client computers.

1           12. The method of claim 10, further comprising  
2 requiring all traffic between the computer network and the  
3 network client computers to pass through at least one other  
4 routing computer that acts as a firewall.

1           13. The method of claim 12, wherein the other  
2 routing computer includes a static route table containing  
3 predefined rules that govern the flow of traffic between the  
4 computer network and the network client computers.

1           14. The method of claim 10, further comprising  
2 allowing the network client computers to access the network  
3 via a public frame relay.

1           15. The method of claim 10, further comprising  
2 allowing the network client computers to access the network  
3 via a PPP link.

1           16. The method of claim 10, further comprising  
2 allowing the network client computers to access the network  
3 via an ISDN link.

1           17. The method of claim 10, further comprising  
2 allowing the network client computers to access the network  
3 via the Internet.

1           18. The method of claim 10, further comprising  
2 requiring all traffic between the network services and the  
3 Internet to pass through another routing computer that acts  
4 as a firewall.

1 19. A computer network comprising:  
2 a service computer configured to provide a network  
3 service to multiple network client computers via the  
4 computer network,  
5 two routing computers, each of which acts as a  
6 firewall through which all traffic between the computer  
7 network and one of the network client computers must pass,  
8 and  
9 another routing computer that acts as a firewall  
10 through which all traffic between the network service and  
11 the network client computers must pass.

1 20. The computer network of claim 19, further  
2 comprising a static route policy that governs the flow of  
3 traffic between the network services and the network client  
4 computers.

1 21. The computer network of claim 20, wherein the  
2 route policy comprises multiple route tables, each stored in  
3 one of the routing computers.

1 22. A method for use in providing a network service  
2 to multiple network client computers via a computer network,  
3 the method comprising:  
4 requiring all traffic between the computer network  
5 and each of the network client computers to pass through one  
6 of two routing computers that act as firewalls, and  
7 requiring all traffic between the network service  
8 and the network client computers to pass through another  
9 routing computer that acts as a firewall.

1           23. The method of claim 22, further comprising  
2 applying a static route policy to govern the flow of traffic  
3 between the network services and the network client  
4 computers.

1           24. The method of claim 23, further comprising  
2 distributing the route policy among multiple route tables,  
3 each stored in one of the routing computers.